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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-----------------|-------------------------------------|---------------------|------------------|
| 10/563,505 | 01/05/2006 | Wilhelmus Christianus Maria Lohbeck | TS6437US | 8251 |
| 23632 SHELL OIL C | 7590 09/20/2007 | | EXAMINER | |
| SHELL OIL COMPANY P O BOX 2463 HOUSTON, TX 772522463 | | | HARCOURT, BRAD | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 3672 | |
| | | | <u>,</u> . | |
| | | | MAIL DATE | DELIVERY MODE |
| | | | 09/20/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | Application No. | Applicant(s) | | | | |
|--|--|--|--|--|--|--|--|
| Office Action Summary | | 10/563,505 | LOHBECK ET AL. | | | | |
| | | Examiner | Art Unit | | | | |
| | | Brad Harcourt | 3672 | | | | |
| | The MAILING DATE of this communication app | | t with the correspondence address | | | | |
| Period fo | • • | • | | | | | |
| WHIC - Exter after - If NO - Failui Any r | ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE asions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COMMU 36(a). In no event, however, ma vill apply and will expire SIX (6) cause the application to becom | INICATION. y a reply be timely filed MONTHS from the mailing date of this communication. e ABANDONED (35 U.S.C. § 133). | | | | |
| Status | | | | | | | |
| 1)[| Responsive to communication(s) filed on | | | | | | |
| | This action is FINAL . 2b)⊠ This action is non-final. | | | | | | |
| 3)□ | Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | | |
| | closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. | | | | | | |
| Dispositi | on of Claims | | | | | | |
| 4)🖂 | Claim(s) <u>1-12</u> is/are pending in the application. | | | | | | |
| | 4a) Of the above claim(s) is/are withdrawn from consideration. | | | | | | |
| · · · · · · · · · · · · · · · · · · · | Claim(s) is/are allowed. | | | | | | |
| · | Claim(s) <u>1-7 and 12</u> is/are rejected. | | | | | | |
| · | ✓ Claim(s) <u>8-11</u> is/are objected to.☐ Claim(s) are subject to restriction and/or election requirement. | | | | | | |
| ٥/۵ | are subject to restriction and su | oloolon roquilomoni. | | | | | |
| Applicati | on Papers | | | | | | |
| • | The specification is objected to by the Examine | | _ | | | | |
| 10)⊠ The drawing(s) filed on <u>05 January 2006</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner. | | | | | | | |
| | Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | | |
| 11)[| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. | | | | | | |
| Priority u | ınder 35 U.S.C. § 119 | | | | | | |
| 12)🛛 | Acknowledgment is made of a claim for foreign | priority under 35 U.S. | C. § 119(a)-(d) or (f). | | | | |
| a)[| a)⊠ All b)□ Some * c)□ None of: | | | | | | |
| | 1. Certified copies of the priority documents have been received. | | | | | | |
| | 2. Certified copies of the priority documents have been received in Application No | | | | | | |
| | 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). | | | | | | |
| * See the attached detailed Office action for a list of the certified copies not received. | | | | | | | |
| | | · · | | | | | |
| Attachmen | t(s) | | | | | | |
| 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date | | | | | | | |
| 3) 🔯 Inform | e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>1/05/2006</u> . | 5) 🔲 Notice | of Informal Patent Application | | | | |

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kendziora (International Publication No. WO 03/029607) in view of Harrall et al. (US Patent Application Publication No. 2005/0011650).

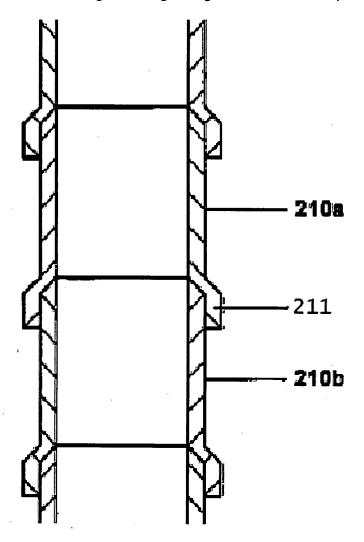
Kendziora discloses a method and apparatus (see figure below) for expanding a tubular comprising first tubing section 210a, second tubing section 211; and expandable sleeve 210b. In operation, using expander 905; first and second tubing sections 210a and 211 are expanded; sleeve 210b is placed adjacent to second tubing section 211; sleeve 210b is expanded to the same diameter of tubing section 210a, and second tubing section 211 is expanded to a diameter the sum of first section 210a and twice the wall thickness of sleeve 210b.

Kendziora discloses all of the limitations of the above claims with the exception of retrieving an expandable sleeve. Harrall discloses a method and apparatus for expanding tubing comprising using a rotary expansion tool 526 to sever and remove expandable sleeve 565 (Fig. 13D). It would have been obvious to a person having ordinary skill in the art at the time of the invention to include a method of removing a

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sleeve or other tubular from the wellbore in the system of Kendziora in view of Harrall to provide a means of disassembling a casing string if it should be required.



Claims 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kendziora (International Publication No. WO 03/029607) in view of Harrall et al. (US Patent Application Publication No. 2005/0011650) as applied to claim 1 above, and further in view of Schetky et al. (US Patent No. 6,772,836).

Kendziora and Harrall disclose all of the limitations of the above claims with the exception of using an expandable sleeve with a plurality of openings defining a pattern

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of members subjected to bending upon radial expansion of the sleeve. Schetky discloses an expandable tubular "such as a casing, tube, patch, or pipe" (col. 4, lines 8-9) comprising struts 21 and 22 that bend and are connected at hinges (Fig. 4a). Struts 21 and 22 are longitudinally overlapping slots (Fig. 4B) while the tubular is unexpanded. It would have been obvious to a person having ordinary skill in the art at the time of the invention to include slots that bend during radial expansion of an expandable tubular in the system of Kendziora in view of Harrall and in further view of Schetky to provide an expandable tubular that can expand without causing undue strain on its structure.

Allowable Subject Matter

Claims 8-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brad Harcourt whose telephone number is 571-272-7303. The examiner can normally be reached on Monday through Friday from 8:30 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

David Bagnell

Supervisory Patent Examiner

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BH 8/31/07